

## Exercise 4:

## Getting Started:

```
PS C:\Users\Oyo Magpayo\Desktop> docker login
Authenticating with existing credentials...
time="2021-06-22T22:48:45+08:00" level=error msg="(f0a03a80) 586f00fa-CredentialHelperPKG
ders)[[STACK]]"
time="2021-06-22T22:48:46+08:00" level=error msg="(2d608f6f) 586f00fa-CredentialHelperPKG
ders)[[STACK]]"
Login Succeeded
```

## Finding images:

```
PS C:\Users\Oyo Magpayo\Desktop> docker search kafka
```

NAME	DESCRIPTION	STARS	OFFICIAL	AUTOMATED
wurstmeister/kafka	Multi-Broker Apache Kafka Image	1382		[OK]
spotify/kafka	A simple docker image with both Kafka and Zo...	413		[OK]
bitnami/kafka	Apache Kafka is a distributed streaming plat...	244		[OK]
sheepkiller/kafka-manager	kafka-manager	204		[OK]
kafkamanager/kafka-manager	Docker image for Kafka manager	126		
ches/kafka	Apache Kafka. Tagged versions, JMX. Cluster-...	117		[OK]
hlebaltbau/kafka-manager	CMAK (previous known as Kafka Manager) As Do...	84		[OK]
landoop/kafka-topics-ui	UI for viewing Kafka Topics config and data ...	36		[OK]
johnnypark/kafka-zookeeper	Kafka and Zookeeper combined image	23		
solsson/kafka	<a href="http://kafka.apache.org/documentation.html#q...">http://kafka.apache.org/documentation.html#q...</a>	22		[OK]
debezium/kafka	Kafka image required when running the Debezi...	21		[OK]
landoop/kafka-lenses-dev	Lenses with Kafka. +Connect +Generators +Con...	21		[OK]
danielqsj/kafka-exporter	Kafka exporter for Prometheus	19		[OK]
landoop/kafka-connect-ui	Web based UI for Kafka Connect.	17		[OK]
digitalwonderland/kafka	Latest Kafka - clusterable	15		[OK]
tchiotludo/kafkahq	Kafka GUI to view topics, topics data, consu...	6		[OK]
solsson/kafkacat	<a href="https://github.com/edenhill/kafkacat/pull/110">https://github.com/edenhill/kafkacat/pull/110</a>	5		[OK]
solsson/kafka-manager	Deprecated in favor of solsson/kafka:cmak	5		[OK]
solsson/kafka-consumers-prometheus	<a href="https://github.com/cloudworkz/kafka-minion">https://github.com/cloudworkz/kafka-minion</a>	4		
solsson/kafka-prometheus-jmx-exporter	For monitoring of Kubernetes Kafka clusters ...	4		[OK]
mesosphere/kafka-client	Kafka client	3		[OK]
zenko/kafka-manager	Kafka Manger <a href="https://github.com/yahoo/kafka-...">https://github.com/yahoo/kafka-...</a>	2		[OK]
digitsy/kafka-magic	Kafka Magic images	2		
zenreach/kafka-connect	Zenreach's Kafka Connect Docker Image	2		
anchorfree/kafka	Kafka broker and Zookeeper image	2		

```
PS C:\Users\Oyo Magpayo\Desktop>
```

## Tagging images:

```

PS C:\Users\Oyo Magpayo\Desktop> docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
delner/ping    latest    8141bcbfd002   13 minutes ago 139MB
ubuntu        16.04     065cf14a189c   4 days ago    135MB
PS C:\Users\Oyo Magpayo\Desktop> docker tag ping oyomagpayo/ping:1.0
Error response from daemon: No such image: ping:latest
PS C:\Users\Oyo Magpayo\Desktop> docker tag ping delner/ping:1.0
Error response from daemon: No such image: ping:latest
PS C:\Users\Oyo Magpayo\Desktop> docker tag --help

Usage:  docker tag SOURCE_IMAGE[:TAG] TARGET_IMAGE[:TAG]

Create a tag TARGET_IMAGE that refers to SOURCE_IMAGE
PS C:\Users\Oyo Magpayo\Desktop> docker tag delner/ping oyomagpayo/ping:1.0
PS C:\Users\Oyo Magpayo\Desktop> docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
delner/ping    latest    8141bcbfd002   18 minutes ago 139MB
oyomagpayo/ping 1.0       8141bcbfd002   18 minutes ago 139MB
ubuntu        16.04     065cf14a189c   4 days ago    135MB
PS C:\Users\Oyo Magpayo\Desktop> docker rmi delner/ping
Untagged: delner/ping:latest
PS C:\Users\Oyo Magpayo\Desktop> docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
oyomagpayo/ping 1.0       8141bcbfd002   19 minutes ago 139MB
ubuntu        16.04     065cf14a189c   4 days ago    135MB

```

Pushing Images:

```

PS C:\Users\Oyo Magpayo\Desktop> docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
delner/ping    latest    8141bcbfd002   13 minutes ago 139MB
ubuntu        16.04     065cf14a189c   4 days ago    135MB
PS C:\Users\Oyo Magpayo\Desktop> docker tag ping oyomagpayo/ping:1.0
Error response from daemon: No such image: ping:latest
PS C:\Users\Oyo Magpayo\Desktop> docker tag ping delner/ping:1.0
Error response from daemon: No such image: ping:latest
PS C:\Users\Oyo Magpayo\Desktop> docker tag --help

Usage:  docker tag SOURCE_IMAGE[:TAG] TARGET_IMAGE[:TAG]

Create a tag TARGET_IMAGE that refers to SOURCE_IMAGE
PS C:\Users\Oyo Magpayo\Desktop> docker tag delner/ping oyomagpayo/ping:1.0
PS C:\Users\Oyo Magpayo\Desktop> docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
delner/ping    latest    8141bcbfd002   18 minutes ago 139MB
oyomagpayo/ping 1.0       8141bcbfd002   18 minutes ago 139MB
ubuntu        16.04     065cf14a189c   4 days ago    135MB
PS C:\Users\Oyo Magpayo\Desktop> docker rmi delner/ping
Untagged: delner/ping:latest
PS C:\Users\Oyo Magpayo\Desktop> docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
oyomagpayo/ping 1.0       8141bcbfd002   19 minutes ago 139MB
ubuntu        16.04     065cf14a189c   4 days ago    135MB
PS C:\Users\Oyo Magpayo\Desktop> docker push oyomagpayo/ping:1.0
The push refers to repository [docker.io/oyomagpayo/ping]
bdf5ec14d70b: Pushed
d07b1c131bb8: Mounted from library/ubuntu
2788d2f5dd8f: Mounted from library/ubuntu
04d694391e96: Mounted from library/ubuntu
48ed8163532b: Mounted from library/ubuntu
1.0: digest: sha256:4f87502c8b7362930ef7bc2e3aa7e65d3de67409ec86a7f813019e137fb540a9 size: 1361
PS C:\Users\Oyo Magpayo\Desktop>

```